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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/435,642	11/09/1999	NOBUHITO FUKUI	1614.1006	5484

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EXAMINER

VU, THANH T

ART UNIT	PAPER NUMBER
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2174

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DATE MAILED: 03/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/435,642

Applicant(s)

FUKUI ET AL.

Examiner

Thanh T. Vu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 8, 9, 15, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Kaply (U.S. pat. # 6,215,490), Mastering Windows 3.1 Special Edition by Cowart, and Haynes (U.S. Pat. # 5,864,330).

Claims 1, 8, and 15 are rejected. Kaply teaches window driven software (fig. 5a). This software requires manipulating a display screen and requires computer code that is stored on a computer readable medium. Such a software program requires an information processing apparatus for controlling information on a display screen to operate. The software taught by Kaply requires the presence of a computer readable medium. Further, this software provides instructions for "controlling the display of information on a display screen which, when executed by a machine, causes the machine to perform operations" as cited by the Applicant. Kaply teaches the output of windows equipped with scroll bar wherein the user views display regions that are otherwise not displayed unless the user operates the said scroll bar (fig. 5a). Whenever the scroll bar is activated and dragged, "a display on a display unit" changes "from a first display region of a displayed item or displayed image to a second display region of the display item that is different from the first display region, by a scrolling process in response to continuous, uninterrupted activation of an input device or key" as cited by the Applicant. Kaply teaches an

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upward arrow located over the scroll bar (fig. 5a). Any changes or movement of data on an output device are changes "on a display unit" as recited by the Applicant. This upward arrow is typically used as "a return section which returns the display to the said first display region in response to a cancellation of the scrolling process by said scrolling section" as cited by the Applicant. Kaply teaches a system setup that includes the manipulation of an input device or key (fig. 6b). Further, windows driven devices uses the manipulating of a mouse or keyboard for the entering of input.

Kaply fails to disclose a second display region that is different from the first display region. Cowart teaches a second display region that is different from the first display region (p. 23). The various menus being opened by the user is a method for opening a second display region different from the first display region. The opening of a menu contains a type of scrolling. Cowart teaches the automatic return of a display to said first display region in response to a cancellation of the scrolling process (p. 23). The automatic closing of the menus is a method for automatically returning a display to a first display region in response to the canceling or stopping of the scrolling process. It would have been obvious to one with ordinary skill in the art to combine the use of multiple display regions and automatic return of the display taught by Cowart with the scrolling and windowing disclosed by Kaply. Doing so allows the user to instantly return to the original screen after making a selection. This is a method for allowing the user to make a new selection while saving time.

Kaply and Cowart fail to teach cancellation corresponding to the release of an input device or key. Haynes teaches cancellation corresponding to the release of an input device or key (col. 2, lines 17-20; col. 2, lines 35-37). Therefore, it would have been obvious to one with

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ordinary skill in the art to combine cancellation corresponding to the release of an input device or key as taught by Haynes with the scrolling and windowing disclosed by Kaply and Cowart.

Doing so allows the user to return the scroll object to its home position and the scrolling of data is stopped with a release of the scroll object.

Claim 2, 9, and 16 are rejected. Kaply teaches an example of a single window with a scroll bar (fig. 5a). This teaching translates a window "wherein both said first display region and said second display region are displayed within a single window which is displayed on the display screen" as cited by the Applicant.

Claims 3 - 7, 10 - 14, and 17 - 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kaply (U.S. pat. # 6,215,490), Mastering Windows 3.9 Special Edition by Cowart, and Haynes (U.S. pat. # 5,864,330) as applied to claims 1, 8, and 15 above, and further in view of Ludolph (U.S. pat. # 5,874,958).

Claim 3, 10, and 17 are rejected. Kaply, Cowart, and Haynes fail to teach a "first display region is formed by one window within a multi-window which includes a plurality of windows, and said second display region is formed by another window within said multi-window" as cited by the Applicant. Kaply, Cowart, and Haynes do suggest the need for providing a single window formed by another window. The demonstration of windows in both Kaply and Cowart provides the basis for forming additional windows including the forming of windows within windows. Ludolph teaches a "first display region is formed by one window within a multi-window which includes a plurality of windows, and said second display region is formed by another window within said multiwindow" (fig. 4) as cited by the Applicant. The program manager window

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taught by Ludolph is the multi-window while the "word processing" and "spreadsheet" windows taught herein are the first and second region windows (fig. 4). The larger window (Ludolph, fig. 4, #244E) containing smaller windows is a multi-window. It would have been obvious to one with ordinary skill in the art at the time of the invention to combine the a "first display region is formed by one window within a multi-window which includes a plurality of windows, and said second display region is formed by another window within said multi-window" as cited by the Applicant and taught by Ludolph with the multiwindow display and scrolling disclosed by Kaply, Cowart, and Haynes. Doing so allows the user to utilize the desktop within the confines of a large window while preserving remaining screen space for other various functions. Further, these operations enable the user to view any of the various available windows.

Claim 4, 11, and 18 are rejected. Ludolph teaches the placement of borders around the word processing and spreadsheet windows (fig. 4). These borders can be used as the "setting section, which sets a mark indicating said first display region" cited by the Applicant.

Claim 5, 12, and 19 are rejected. The upward arrow suggested or taught by Kaply for returning to the first display region taught in claims 1, 8, and 15 is a method wherein "said return section displays said first display region at a position where said mark is displayed on the display screen" cited by the Applicant.

Claim 6, 13, and 20 are rejected. Kaply teaches placement of one regional window within the multi-window at a front-most position (fig. 5a). This front-most window contains the upward arrow. This arrow is considered the "mark." The arrow demonstrates the said first display region being "... formed by a window within a multiwindow which includes a plurality of windows, said second display region is formed by another window within said multi-window, and said return

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section displays said first display region at a position where said one window including the mark is displayed at a front-most position on the display screen" as cited by the Applicant.

Claims 7, 14, and 21 are rejected. Kaply displays the upward arrow mark at a position next to the scroll bar (fig. 5a). The scroll bar is a type of cursor used for positioning the displayable region of the window. Demonstrating the scrollbar, Kaply teaches that a "setting section sets the mark; at a position of a cursor in said first display region" as cited by the Applicant.

Claims 22 - 24 are rejected. Cowart teaches an information processing apparatus, a display control, and a computer readable method containing instructions causing a machine to perform deleting the mark (p. 23). When the user makes a selection, the mark at the position of cursor disappears. When this mark disappears, the mark is deleted.

Response to Arguments

Applicant's arguments with respect to Amendment D have been considered but are moot in view of the new ground(s) of rejection.

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh T. Vu whose telephone number is (703)-308-9119. The examiner can normally be reached on Mon-Thur and every other Fri 8:30 AM - 6:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on (703) 308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

T. Vu
02/26/04

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